

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A275.2
F312G
1959

GRADUATE STUDY IN EXTENSION EDUCATION

IN

LAND-GRANT COLLEGES AND UNIVERSITIES



EXTENSION TRAINING BRANCH
FEDERAL EXTENSION SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE

ER&T-199 (11-59)

Supersedes ER&T-238 (12-58)

UNITED STATES
DEPARTMENT OF AGRICULTURE
LIBRARY



BOOK NUMBER A275.2
98800 F312G
1959

ACKNOWLEDGMENT

This brochure is an effort to make available to extension workers a core of information on the importance of and the provisions for graduate study in Extension Education in the United States.

Grateful acknowledgment is made of State and Federal Extension personnel who gave time and thought in the screening of the basic information and review of the contents while in draft form.

Woodson W. Fishback

TABLE OF CONTENTS

	Page
Significance of Graduate Study	1
Your Opportunities for Graduate Study in Extension Education in Land-Grant Colleges and Universities ..	2
University of California	2
Colorado State University	5
Purdue University, Indiana	8
Kansas State University	13
University of Kentucky	16
Louisiana State University	19
Maryland University	22
Michigan State University	25
Mississippi State University	28
University of Missouri	30
New York State College of Agriculture, Cornell University	32
University of Tennessee	35
Washington State University	38
University of Wisconsin	41
Graduate Study Fellowships and Scholarships	44
Descriptive Statements	44
Selected References on Financial Aid	48
National Defense Education Act of 1958	49
For Additional Information	50

GRADUATE STUDY IN EXTENSION EDUCATION
IN
LAND-GRANT COLLEGES AND UNIVERSITIES

As the Cooperative Extension Service accepts broader objectives, higher educational standards and more rigorous training will be necessary for extension personnel.

A recent survey of employment practices shows that 23 States consider a Master's degree desirable for employment in the Extension Service at the county level; and that 24 States require a Master's degree for employment at the State level.

For the Extension Service to continue its record of helping people through quality leadership, it is essential that employees have the best preparation and advanced training possible.

Significance of Graduate Study

The following statements highlight the importance of continuous professional training for you and your co-workers.

1. As a career worker you cannot afford to rest on your record of early achievements and contributions to the Extension Service. You have a personal commitment to keep not only up-to-date but also on the growing edges in your leadership role.
2. There is a high correlation in professional fields between top level assignments and educational achievement. When promotions are made or new positions are filled, persons who have graduate degrees ordinarily have a distinct advantage over those who do not have.
3. Participating in a graduate study program helps an extension worker formulate a more definite plan for continuing his education. This idea is not intended to belittle the practice of pursuing advanced study to satisfy an immediate professional or personal goal. However, many persons have faced a hardship in achieving a degree by failing to develop a systematic program from the outset.
4. The person who does not strengthen his qualifications as professional standards rise will be handicapped in making his leadership effective.

Distributed to Deans of Agriculture and Home Economics, Directors of Extension, and State Leaders of Training in each of the Land-Grant Colleges and State Universities.

5. The pursuit of graduate study helps an extension worker remain flexible in his thinking.
6. Another factor to consider is the development of extension workers as "professionals." The more they participate in graduate study the greater are their chances of achieving higher professional standards.

Your Opportunities in Land-Grant Colleges and State Universities

The information presented in the following section is focused on the Land-Grant Colleges and State Universities in which a graduate degree may be earned with a major in Extension Education. At this writing 14 Land-Grant institutions have such a program developed. Only selected data on the academic standards, the student services, and the curricular offerings of these particular colleges and universities have been included in this publication.

More detailed information may be obtained by writing for a copy of the Graduate Bulletin published by each of the Land-Grant Colleges and State Universities.

UNIVERSITY OF CALIFORNIA, Davis

The major graduate program on this campus for Extension workers is the Master of Education. Since it is a professional degree the primary objective of the instructional program is to increase professional competence. Two options are provided: one for agricultural teachers who hold or qualify for a teaching credential; the other for agricultural extension workers and non-certificated teachers of agriculture.

General Requirements

1. Qualify for admission to the Graduate Division of the University (see announcement of the Graduate Division, Northern Section).
2. Hold, or qualify for a California teaching credential in agriculture; or complete equivalent preparation including 9 units of approved coursework in education.
3. Complete two semesters in graduate residence, one semester of which must be taken after advancement to candidacy. (Two six-week summer sessions are the equivalent of one semester of residence).
4. Complete in graduate status 24 units of graduate, upper-division, and professional coursework, which must include

at least 9 units in education courses and 14 units in agricultural courses.

5. Complete as a part of the education courses at least 2 units of graduate seminar in education.
6. Maintain a scholarship average of B in all work undertaken in graduate standing.
7. Pass an oral comprehensive examination in education and in at least one field of specialization in agriculture.
8. Present evidence of at least one year of successful professional experience in the field of agricultural education or agricultural extension before the degree is granted.

Required Courses for Extension Workers

At the graduate level, candidates for the Master of Education degree must complete 9 units of preparatory course work as follows:

		<u>Units</u>
Education 110	Educational Psychology	3
Education 187	Extension Education in Agriculture and Home Economics	2
Education 198	Group Processes and Group Leadership	2
Education 320b	Audio-Visual Education	2

The 9 units of education courses may include:

Education 188	Technical Journalism	3
Education 199	Special Problems and Individual Study	1-5
Education 260	Seminar in Education	2

Each candidate must complete 14 units of agricultural courses selected from not more than two majors in the College of Agriculture.

Financial Data

Number of Fellowships available to graduate students
in Agricultural Extension

1

Annual worth of Fellowship

\$ 2,500

Financial Data - Cont'd.

Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual tuition and registration fees	<u>\$ 60</u>
Tuition and registration fees for non-residents	<u>\$ 200</u>
Living expenses, including room and board (average per semester)	<u>\$ 500</u>

Living Accommodations

The University maintains residence halls and dining units for men and women, and apartments for married students. A Housing Office on the campus will help students find suitable apartments or rooms. Board and room in the University residence halls costs about \$375 a semester.

Miscellaneous Information

The Davis campus is the principal center of teaching and research of the University of California College of Agriculture. Scientists known throughout the world as leaders in their fields give Davis a unique teaching staff. Classes are small and informal, faculty and students are friendly, laboratory and field facilities are excellent. Accessible to the student are commercial operations in most of California's 200 crops, in addition to the University's broad agricultural experiment program on the 3,000-acre Davis campus and statewide network of field stations. The campus adjoins the City of Davis (population 7,200). Sacramento, the state capital, is 13 miles to the east, while Berkeley and San Francisco are within two hours by rail or highway.

Lectures, plays, and musical programs are included in the cultural attractions on the campus.

COLORADO STATE UNIVERSITY, Fort Collins

The Graduate School at Colorado State University offers a Master of Education degree with a major in Extension Education. Two plans are available to candidates for this degree. Descriptions of these plans are shown below.

General Requirements

Plan A - With a Thesis

1. A minimum of 45 quarter credits of graduate work in an approved course of study.
2. A minimum of 36 quarter credits in classes on the campus and 24 weeks of campus residence.
3. A minimum of 21 quarter credits in the 200 series.
4. A thesis. No credit is granted although 15 credits may be earned in the research courses in which the thesis is developed.
5. Exploratory and/or qualifying examinations as required by the department.
6. A final comprehensive examination.

Plan B - Without a Thesis

1. A minimum of 45 quarter credits of graduate work in an approved course of study.
2. A minimum of 36 quarter credits in classes on the campus and 24 weeks of campus residence.
3. A minimum of 21 quarter credits in the 200 series.
4. A "Research Methods" course such as Education 225, Vocational Education 225, or equivalent.
5. Special papers as required by the department.
6. Exploratory and/or qualifying examinations as required by the department.
7. A final comprehensive examination.

An application for admission to the Graduate School and two copies of official transcripts of all previous college work must be submitted to the Dean of the Graduate School before a permit to register for an advanced degree is granted. To complete his work the graduate student must have an average grade of B. No grade below C will count toward a degree.

Residence requirements are usually satisfied in one of two ways:

1. Attendance at two quarters beginning in January plus ten weeks in summer sessions.
2. Attendance at three quarters beginning in September plus one three-weeks summer session.

Required Courses and Electives

Required subjects for the Master of Education degree with a major in Extension Education are:

		<u>Credits</u>
Extension 269	Advanced Extension Principles and Techniques	2
Extension 271	Advanced Extension Practicums	3
Extension 286	Extension Organization and Program Development	3
Extension 289	Extension Leader Training	2
Extension 291	Basic Evaluation Adapted to Extension Teaching	2

Three years Extension experience

The student is expected to plan his program of studies in consultation with his major professor. Electives may be selected from among other courses offered in Extension Education and graduate courses in the technical fields of agriculture and home economics.

Living Accommodations

Adequate housing for men and women students is available on the campus or in private homes. Housing for married students is limited and, for those with large families, even more difficult to obtain.

Newsom Hall, a new dormitory, was assigned to the Extension Summer School in 1958. Its facilities for lodging, meals, group

conferences, reading rooms, and entertainment provide excellent opportunities for all Extension students and faculty to become well acquainted. Sheets, pillowslips, blankets and towels are furnished. Rates for three weeks are \$25 per person for two in a room and \$30 for one person in a room. Meals are reasonable in cost in the Newsom Hall cafeteria.

A 190-unit housing project for married students is located on campus. It is quonset type and partially furnished. Preference is given to veterans and families with children. Rent is approximately \$30.75 a month. The housing office maintains a listing of available approved housing for students in private homes. Applications and further information about living accommodations may be secured from the Director of Housing, Colorado State University, Fort Collins, Colorado.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual tuition and registration fees	<u>\$210</u>
Tuition and registration fees for non-residents	<u>\$300</u>
Living expenses (average per quarter)	<u>\$210</u>

Miscellaneous Information

Colorado State University is located at the foot of the Rocky Mountains in Northern Colorado. In addition to the 365-acre main campus, the institution owns 2,200 acres of adjoining or nearby land. This land is used for experimental studies in field crops, vegetable crops, native range and irrigated pastures, use of water, forestry, soil improvement and breeding and feeding of livestock. Included are a poultry farm, a dairy and an agronomy farm. Herds and flocks of leading breeds of beef and dairy cattle, hogs, sheep and poultry are maintained.

Rocky Mountain National Park and the village of Estes Park are but 45 minutes from the campus. Fishing, hiking, sight-seeing, swimming, water skiing, rodeos and visits to Colorado's historic mining and ghost towns provide a pleasant diversion. For persons interested in drama, the Town and Gown Summer theater offers many opportunities.

PURDUE UNIVERSITY, Lafayette, Indiana

General Requirements

To be considered for admission as a regular graduate student, an applicant must have a bachelor's degree from a university or college of recognized standing and, in addition, must (1) show promise, as judged by previous scholastic record, of ability to pursue advanced study and research and (2) have adequate previous preparation in his chosen field of study to enter at once upon graduate study in that field. An applicant who is not a Purdue graduate must submit complete official transcripts of all previous college studies.

Success in graduate study for those whose work is to count toward advanced degrees requires performance of a high quality. A graduate student must earn a certain minimum grade in every course which is to be credited toward either the master's or the doctor's degree; a minimum grade of B in every course numbered 500-599 which is included in the major of his plan of study, and a minimum grade of C in all other courses.

Graduate programs are offered in agricultural extension leading to the degree of Master of Science and Master of Agriculture. These programs are designed primarily for county agents, assistant county agents, 4-H Club personnel and people engaged in other types of agricultural extension activities. The nature of the programs is interdisciplinary, including courses from a number of departments in the School of Agriculture, especially in the areas of the animal sciences, plant sciences, soils, and agricultural economics; and in the School of Science, Education and Humanities, especially in the areas of communications, sociology and psychology.

For entrance into the graduate courses and a degree program, applicants must meet the general admission regulations and other prerequisites of the University and of the Graduate School. Applicants are evaluated by the Interdisciplinary Committee and recommendations for admission are made to the dean of the Graduate School.

Since these are exclusively graduate programs, all students must have a Bachelor's Degree in Agriculture or in some other appropriate field.

I. Requirements for the Master of Science Degree With a Major
in Agricultural Extension (Thesis Program)

A. Major

1. Twelve hours of course work in agriculture or related basic courses
2. A thesis in the general area of extension methods or techniques, or other areas related to agricultural extension
3. Course work in the second minor (described below) supporting the thesis

B. Minors

1. One minor of at least 6 hours in the field of communications
2. A second minor of at least 6 hours chosen from any field of study offered for the Master of Science degree in the departments of the Schools of Agriculture and Science, Education and Humanities.

Six hours of the major must represent work in at least two of the following three fields: animal sciences, plant and soil sciences, agricultural economics or economics; and 3 hours must be taken in statistics.

II. Requirements for the Master of Agriculture Degree (Non-thesis Program)

A. Major: 21 hours minimum

1. Eighteen hours of course work in agriculture or related basic courses. No less than 3 hours should be selected from the animal sciences, 3 hours from the plant and soil sciences, 3 hours in agricultural economics or economics.
2. A 3-credit problems course in an agricultural field or in the second minor

B. Minors

1. One minor of at least 6 hours, chosen in the field of communications
2. A second minor of at least 6 hours, chosen in any field of study offered for the Master's degree in the departments of the School of Agriculture or the School of Science, Education and Humanities

C. A 3-hour course in statistics or in research methods and applications to be included in the major or minor

III. Courses Available for Students Majoring in Agricultural Extension for the Master of Science and the Master of Agriculture Degrees. Additional Courses, Especially at the 600 Level, May Be Selected for Individual Plans of Study

EXAMPLES OF COURSES AVAILABLE

Plant Science

Pasture Crops and Management
Crop Ecology
Advanced Crop Ecology
Intermediate Plant Physiology
Problems in Farm Forestry

Soils and Soil Management

Intermediate Soil Science
Advanced Soil Fertility
Soil Classification and Survey
Soil Physics
Drainage, Irrigation and Erosion Control

Animal Nutrition

Animal Nutrition
Feed Formulation
Advanced Dairy Cattle Feeding
Poultry Nutrition

Animal Physiology and Breeding

Physiology of Reproduction
Animal Breeding
Dairy Cattle Breeding
Poultry Breeding

Agricultural Economics and Economics

Farm Management
Agricultural Policy
Agricultural Policy and Programs
Intermediate Economic Theory
National Income and Forecasting
Business Cycles
Agricultural Price Analysis
Marketing Institutions

Conservation

Conservation Education

COURSES FOR COMMUNICATIONS MINOR

Speech Composition
Advanced Business Interview and Conference Methods
Radio Program Production
Radio Script Preparation

Feature Writing
Business Writing, Journalistic Applications
Audio Visual Aids for Teachers

STATISTICS AND RESEARCH METHODS AND APPLICATION

Statistics for Experimental Research
Statistical Methods Applied to Psychology, Education, and Sociology

Agricultural Statistics
Research Procedure in Agricultural Economics

Residence

Candidate for the Master's degree must earn at least two units of resident study and must be registered during the semester at the end of which he expects to receive the degree.

Credit in graduate courses given off-campus shall not constitute more than one-third of the credit required in the regular graduate student's program of study.

Graduate work of acceptable quality done in another approved college or university may be counted toward the degree provided the courses can appropriately be included in the plan of study. In no case, however, may the plan of study contain more than six semester hours of graduate credit for work completed at another institution.

Living Accommodations

Accommodations for Married Students - Unfurnished Apartments. A modern, fireproof apartment project consisting of 908 units is located on a 66-acre tract adjacent to the campus. There are 600 one-bedroom units, equipped with stove and refrigerator. Hot water and radiant heat are supplied from a central boiler. A coin-operated automatic washer and dryer in each building are available for tenant use at 25 cents per washing. All utilities except telephone are included in the monthly rental of \$76. Assignments are made to both undergraduate and graduate students carrying eight hours or more per semester.

Three hundred and eight two-bedroom units are also equipped with stove and refrigerator. A laundry room within each apartment is provided with hot and cold water, drain, and a 220-volt outlet for electric dryer. Each tenant is expected to furnish his own washer and dryer in these apartments. Rent, with utilities included, is \$88 per month. School age children may attend West Lafayette schools and city bus service is available for their transportation.

Furnished Apartments. The University operates 254 furnished apartments reserved on a priority basis for graduate students. There are 152 efficiency, 87 one-bedroom, and 15 one-bedroom with nursery alcove. Rent, with furnishings and utilities included, ranges from \$69.50 for the efficiency to \$89.50 for the one-bedroom with nursery alcove.

Applications for these accommodations should be made in writing to the Director of Family Housing, Nursery No. 2 on Nimitz Drive, Purdue University, Lafayette, Indiana.

Other Residences. Apartments and rooms in private homes are available in West Lafayette and Lafayette, twin cities of 50,000 population. Lists of these accommodations are maintained by the dean of men and the dean of women.

Financial Data

Number of annual Fellowships available to Graduate students in Extension Education	<u>2</u>
Average value of Fellowships	<u>\$170 per month (20 hours per week)</u>
Number of Teaching and Research Assistantships for Extension Education majors	<u>0</u>
Average stipend (annual) for Teaching and Research Assistantships	<u>\$1,020 (1 full year)</u>
Annual tuition and registration fees	<u>\$500 (non-resident)</u>
Typical charge for room and board for unmarried students	<u>\$25-40, singles \$2-7 per day for meals</u>

Miscellaneous Information

All types of recreational facilities are here, including a new co-recreational gymnasium which includes swimming, skating, badminton, basketball, soccer, etc.

An excellent convocation series is available at a small cost. There also is a very good playshop program as well as an experimental theater and many ballrooms.

KANSAS STATE UNIVERSITY, Manhattan

The student's program in Extension Education leading to a Master of Science degree consists of a core of courses in extension education, adult education, communications and social science fields. The remaining work may be selected from courses in the various academic departments in which the student feels the greatest need for subject matter training. The major field of study comprises about two-thirds of the work, the minor field, one-third.

General Requirements

1. For admission to do graduate work the student must have a scholastic average of "B" or better in undergraduate courses taken during the junior and senior years.
2. Not more than 16 credit hours, including those obtained from research, may be earned in a single semester. Not more than 9 may be earned during a summer session.
3. For the degree the student must complete a minimum of 30 semester hours of graduate credit, including a master's thesis of 6 to 8 seminar hours, or a minimum of 32 semester hours of graduate credit without the master's thesis but including a written report either on a research topic or on a problem in the student's major field. For this report 2 semester hours of credit are given.
4. All credits acquired more than six years prior to the time of receiving a degree require validation either by repeating the course or passing an advanced course based on the lapsed credit course or by a validation examination.
5. An oral examination is required.

Master of Science in Extension Education

	<u>Thesis Plan</u>	<u>Report Plan</u>
	Semester	Semester
	<u>Credit Hours</u>	<u>Credit Hours</u>
Recommended Core Courses	11	11
Associated Courses	7 or more	7-11 or more
Courses in Minor Field	6 or more	8-12 or more
Thesis or Report	6-8	2
Minimum semester credit hours	30	32

Master of Science in Extension Education-cont.

Recommended Core Courses:			Semester Cr.Hrs.
Education	900	Seminar in Education (Adult Education)	2
Education	850	Adult Education	3
Education	460	Extension Organization and Policies	3
Education	600	Research Methods and Treatment of Data	3
Associated Courses:			
Education	795	Problems in Extension Education	Arranged
Education	595	Extension Methods for Home Economics	3
Psychology	638	Group Dynamics	3
Speech	436	Group Discussion Methods	3
Speech	437	Discussion and Conference Leadership	2-3
Speech	672	Radio and TV Techniques	3
Journalism	515	Public Relations	3
Education	440	Audio-Visual Aids in Instruction	2-3
Economics-Sociology	635	Community Organization and Leadership	3
Agricultural Economics	537	Agricultural Policy	3
Education	485	Philosophy of Education	3
Education	405	Statistical Methods in Education and Psychology	3
Psychology	505	Psychology of Advertising and Selling	3
Psychology	515	Personnel Psychology	3
Economics-Sociology	470	Public Finance	3

Other courses may be considered if deemed appropriate for the student's needs.

Housing

A wide choice of housing is available. Residence halls for single women are available for the summer sessions only. One small single hall is provided for single men, graduate and undergraduate, on a reservation basis. Many rooms and some apartments in private homes are available for single graduate students. The college has 288 converted barracks apartments and 192 permanent dormitory apartments for married students and keeps an up-to-date file of apartments available in Manhattan. Married students and single men should write to the Director of Housing for information; women to the Associate Dean of Students.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>2</u>
Average stipend for Assistantships	<u>\$3,000.</u>
Annual tuition and registration fees	<u>\$ 208.</u>
Tuition and registration fees for non-residents	<u>\$ 308.</u>
Living expenses (average per year)	<u>\$1,000.</u>

Miscellaneous Information

The proximity of Fort Riley and the College lends support for a greater variety of recreational facilities than is normally found in a city the size of Manhattan. Also with the completion of Tuttle Creek Reservoir in 1959-60, Kansas State College will be only 5-10 miles from one of the largest bodies of water in the midwest and all the recreational facilities that go with such a water body.

Adjoining the campus is "Aggierville," a suburban shopping district serving the College community. For children of the one-fifth of the students who are married, Manhattan provides a youth program, parks, and a school system that ranks with the best.

The presence on the campus of students from many far lands testifies to the prestige of Kansas State College abroad. The peoples of other countries have found that many of the friends and teachers among them were educated at Manhattan, and so they have sent here the best of their young people to learn how to improve their ways of life.

UNIVERSITY OF KENTUCKY, Lexington

With the three exceptions listed below, the requirements for the Master of Science degree with a major in Extension Education are the same as for all other master's degrees offered at the University of Kentucky.

1. Except in rare cases, students will be expected to complete 24 hours in residence and complete a thesis.
2. Instead of work being concentrated in one area, 15 semester hours will be considered as a minimum to be taken from the applied and theoretical subject matter areas of education, psychology, economics, sociology, English, speech, journalism, and extension methods.
3. There is no set schedule for all students but a complete program is worked out in advance, subject to the approval of the Director of Graduate Programs in Extension Education.

General Requirements

The Graduate School authorizes all departments to specify requirements for a Master of Arts or Master of Science degree by either of two plans. Option rests with the department.

Plan A

1. The candidate must complete at least 24 semester hours of credit course work with a standing of 3.0 or better.
2. At least 9 hours must be in courses numbered 200 or above.
3. The candidate shall have a major field which shall comprise at least two thirds of his course work; one-third may be taken in that field or in fields which have graduate relationship with it. In education and agriculture, only one-half of the work must be done in the major fields.

4. Residence - a minimum residence each academic year of 36 weeks. This may be fulfilled by any combination providing at least one full semester or two summer terms are spent in residence.
5. A thesis and an abstract of the thesis are required.
6. Final orals may not be taken before the thesis has been accepted.

Plan B

The minimum requirements are the same as for Plan A except that six or more semester hours of course work may be substituted for a thesis and, in a few departments, a reading knowledge of a foreign language may not be required. A student may follow this plan with the approval of the department concerned.

Note: All students working for graduate degrees should take three parts of the Graduate Record (the area tests, the aptitude tests, and the advanced test in the major subject). These tests may be taken either before admission or during the first semester after admission.

Required Courses and Electives

Required courses for majors in Extension Education

Journalism 118	Public Relations	3 hours
English 159	Persuasion	3 hours
Rural Sociology 250	Topical Seminar	3 hours
Extension 202	Special Problems in Extension Research	3 hours
Psychology 205	Seminar in Social Psychology	3 hours

Electives

Selected courses offered by departments such as Agronomy, Animal Husbandry, Poultry, Dairy, Horticulture, Rural Sociology and Home Economics. The selection of courses is based upon the needs and interests of the student.

Living Accommodations

The University operates a new housing project for married students to accommodate 450 families in 237 efficiency and 213 one-bedroom apartments. The efficiency apartment rents for \$62.50 per month; the one-bedroom apartment for \$72.50 per month. Rentals include furnishings adequate to basic living, utilities, and maintenance.

To apply for a housing unit, communicate with the Office of the Dean of Men for general information and an application blank. No deposit is required with the application, but a \$25.00 deposit is required when the applicant is assigned and accepts an apartment. Only full-time married male students of the University and their immediate families are eligible for the apartments. Assignment of apartments is made on a priority basis which is established by the date the application is received in the Office of the Dean of Men. The University reserves the right to change rental rates at any time it is deemed necessary to the welfare of the projects.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual tuition and registration fees	<u>\$80.</u>
Tuition and registration fees for non-residents	<u>\$180.</u>
Living expenses (average per semester)	<u>\$270.</u>

Miscellaneous Information

The University of Kentucky is located at Lexington, an urban community of over 100,000 population. The University emphasizes the development of the whole individual. Special cultural opportunities include The Central Kentucky Concert and Lecture Series, Musicales, the University art gallery, and plays presented by the Little Theater.

Recreational facilities include those typical of the college campus. The golf courses of the city of Lexington are also open to University students.

LOUISIANA STATE UNIVERSITY, Baton Rouge

The degree of Master of Science with a major in Agricultural Extension Education is offered through the Department of Vocational Education at Louisiana State University.

General Requirements

1. The minimum requirement is thirty semester hours of graduate work, not over six hours of which are allowed for research and the composition of a thesis. In optional programs in departments not requiring a thesis, the standard course-work program is increased to thirty-six hours.
2. Although concentration is required in the major field of interest, every program for a master's degree should include at least six semester hours of credit in one or more related fields.
3. The standard course load of a graduate student giving full time to advanced work should be regarded as from 9 to 12 hours per semester.
4. The minimum standard of grades is an average of B (2.0 point hour ratio) in all courses and no grade below C.
5. A graduate program must be completed within 8 years.
6. The minimum residence requirement for the master's degree is one academic year of two semesters at this University. This requirement may be satisfied in some departments in four summer terms or in one semester plus two summer terms. Acceptance of extension credit does not reduce this residence requirement for the master's degree.
7. For those majoring in Agricultural Extension Education the department may prescribe additional courses beyond the regular program in lieu of a thesis.

Required Courses

The graduate program for agricultural extension workers is flexible enough to meet the differing requirements of individual extension service workers, and broad enough in scope to permit a wide selection of courses from different fields of knowledge. The minimum requirement in courses exclusively for graduate students does not require a concentration within a single major department. These courses can be distributed within a field, such as general agriculture.

Examples of courses offered for graduate credit for majors in Extension Education include the following:

		<u>Credits</u>
Agricultural Extension Education	The Agricultural Extension Service 170	3
Agricultural Extension Education	4-H and Older Youth Programs 172	2
Agricultural Extension Education	The Extension Specialist 200	3
Agricultural Extension Education	Program Development in Cooperative Extension Work 210	3
Agricultural Extension Education	Evaluation of Extension Work 264	3
Agricultural Economics	Farm Management for Professional Agricultural Workers 163	
Business Ad- ministratiion	Fundamentals of Supervision 166	
Journalism	Effective Use of Information Media 150	

Living Accommodations

Graduate women students are housed in the French House. This building accommodates 46 students and consists of two and three student bedrooms grouped around tile bath units. The charge is \$126+ (\$10.80 for use of telephone) per student for the semester. Meals may be secured on a cash basis in convenient dining facilities on the campus and adjacent to the campus. Housing application blanks are available through the Director of Housing for Women.

The University provides living quarters for approximately 3,000 men. A special section is set aside for graduate students. Rental in the various dormitories varies from \$72 to \$117 per semester. There is a Pan American House where 38 men students, American and Latin American, live together. Room rent in Pan American House is \$128.70 per semester.

There are 296 unfurnished apartments for married students; 104 being of a permanent two-story type and 192 being single story, wooden construction. The permanent apartments rent for \$75 per month and the temporary apartments rent for \$35 per month. Louisiana residents are given priority of assignment. Out-of-state students with L.S.U. scholarships or assistantships are given the same priority of assignment as a Louisiana resident. Write to the Director of Housing for Men for applications and further details.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual tuition and registration fees	<u>\$100</u>
Tuition and registration fees for graduate non-residents	<u>\$100</u>
Living expenses (average per semester)	<u>\$260</u>

Miscellaneous Information

Louisiana State University is located two miles south of Baton Rouge on a tract which comprises 4,725 acres, all of which is utilized by the varied activities of the institution. The buildings devoted particularly to purposes of administration and instruction are situated on a plateau of about 300 acres about one-half mile from the Mississippi River. The architectural treatment of this group is based on the domestic style of Northern Italy. The remainder of the 4,725 acre tract is devoted chiefly to the use of the College of Agriculture and the Agricultural Experiment Station.

The heart of the campus is built around two quadrangles and includes, in addition to numerous buildings for administration and instruction, a Memorial Tower, a creamery, a modern sugar factory, a stadium with a seating capacity of 68,000, and an open-air theater seating 3,000.

The Tower Services office, located in the Memorial Tower, receives visitors and acquaints them with the University's facilities and activities. Of particular interest to students and visitors are several special library collections.

The collection of archives and manuscripts in the Department of Archives, located in the Law Building, is an important body of primary source materials for study and research, particularly in Louisiana and Southern history, cultural geography, education, music and dramatic arts, economics, American and Louisiana French literature, and other fields in the social sciences and the humanities. This collection is a depository for original historical manuscripts and archival materials, consisting of approximately 1,851,000 items and volumes.

UNIVERSITY OF MARYLAND, College Park

The Department of Agricultural Education offers work leading to the degree of Master of Science. Students may choose either a program in vocational agriculture or extension education. Either program may be pursued on a part-time or full-time basis.

General Requirements

1. The applicant shall furnish an official transcript of his collegiate record which, for unconditional admission, must show creditable completion of an adequate amount of undergraduate preparation of high quality for graduate work in his chosen field.
2. A residence of at least two semesters, or equivalent, is required.
3. A minimum of 24 semester hours, exclusive of thesis and registration for research, with a minimum average grade of "B" in courses approved for graduate credit is required.
4. Students pursuing the extension education program will be expected to have had a minimum of two years of experience as extension workers and eight undergraduate credits in extension and/or education courses. Deficiencies in prerequisites must be made up. This can be done while pursuing the graduate program.
5. The student is required to register for six semester hours of research and thesis work.
6. A final oral examination, usually of about one hour's length, is required. The examining committee for the oral examination also approves the thesis. The student's major adviser acts as the chairman of the committee.

7. Credit not to exceed six semester hours, obtained at other recognized institutions, may be transferred and applied to the course requirements for the Master's degree. The transfer credit must be of graduate character and be approved for inclusion in the student's graduate program at the University of Maryland.

Required Courses and Electives

The major courses for graduate students in Extension Education will be selected from courses emphasizing rural education, extension education, adult education, human development and rural sociology. A student may select a program with a major emphasis in extension or adult education. Each student will be assigned to an adviser for consultation in developing an acceptable program.

1. Required Courses (a minimum of 12 hours)

Credits

Rural Education 150	Extension Organization and Teaching Methods	2
Rural Education 160	Communications--as applied to extension work	2
Rural Education 201	Rural Life and Education (Soci- ological aspects of work in rural communities)	3
Rural Education 203	Farm Organizations and Rural Education	3
Rural Education 220	Field Problems in Rural Education	1-3
Education 209	Adult Education	3
Education 281	Source Materials in Education	2

U. S. Department of Agriculture Graduate School:

Evaluation	Basic Principles and Techniques in Evaluation Extension Methods	2
4-H Seminar	Discussion of Selected 4-H Tech- niques and Problems with Federal 4-H Staff	2+

2. Thesis

3. Electives (from a supporting field)

Electives may be selected from a wide variety of offerings in Education, Human Development, and Sociology.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	Varies from year to year*
Average value of Fellowship	\$800 for 9 months
Number of Teaching and Research Assistantships for Extension Majors	Varies from year to year
Average stipend for Assistantships	\$180 per month
Annual tuition and registration fees	\$100 per semester for full-time student or \$10 per credit hour for part-time students
Tuition and registration fees for non-residents	Same as for residents

Living Accommodations

In the University community there is a wide assortment of furnished rooms and both furnished and unfurnished apartments. Some are within walking distance of the campus. The University is on U.S. Route 1 and is served by bus lines operating between Washington, D. C. and Baltimore.

Miscellaneous Information

The University of Maryland is near the Agricultural Research Center of the U. S. Department of Agriculture. This is the largest, best manned, and best equipped agricultural research agency in the world. Also, the University is within ten miles of the Washington, D. C. offices of the U. S. Department of Agriculture and other government departments, including the Library of Congress. Students can easily visit these agencies and become acquainted with their workings and the men who direct them. Such contacts have proved valuable to many University of Maryland graduates.

*The University of Maryland offers 18 Graduate Fellowships, but since there are more than 50 departments offering graduate work, the same department may not receive a fellowship each year.

It is not uncommon for representatives from these agencies to speak before classes at the University and to be guest speakers at student club meetings. No other college of agriculture in the United States is physically located to offer to its students opportunities of greater excellence than these.

Within easy driving distance of the campus are mountains, the ocean and rivers, which provide a wide variety of seasonal adventures. In addition there are many cultural attractions including concerts, theatrical productions, and lectures on the campus and in nearby Washington. On the athletic side, the University has a program of major sports as well as tennis courts, a gymnasium, a swimming pool, and an 18-hole golf course for student use.

MICHIGAN STATE UNIVERSITY, East Lansing

Through the Institute for Extension Personnel Development, three different professional improvement opportunities designed especially for extension workers are now available at Michigan State University. They are:

- A. A graduate study program in extension leading to a Master of Science degree. A graduate student may also elect a minor field of study in extension for the Doctor of Philosophy degree.
- B. A professional non-degree study and research program for experienced extension workers.
- C. A work-and-study internship program of advanced career preparation for men and women interested in employment with the Michigan Cooperative Extension Service.

The degree of Master of Science with a major in Extension Education is granted by either the College of Agriculture or the College of Home Economics.

General Requirements

1. The graduate student has a choice of plans of study. A primary difference lies in a thesis option.
2. At least 15 credits must be taken in formal course work on-campus in East Lansing.
3. The candidate for the Master's degree shall pass an oral examination before a committee selected by the major professor with the approval of the Department Head.

4. To qualify for the degree the student must have a graduate course grade average of 3.0.
5. All credits to be used for the Master's degree must be completed within the five-year period immediately preceding the oral examination.
6. A minimum of 45 credits after the Bachelor's Degree is required for the Master's degree. Twelve credits may be transferred from other accredited graduate schools, if approved by the University.

The Graduate Degree Program in Extension

In line with the interdisciplinary concept of extension study at Michigan State University, advanced students are given maximum freedom in planning their study program. Each student develops the course of study in personal consultation with his or her major professor. The extension worker's background, experience, future aspirations, and professional interests are considered in planning the program. Thus, the specific courses taken by individual degree candidates may vary greatly. In the past, the general program of study elected by many extension workers has included:

1. Courses in technical agriculture or home economics like these:

Agricultural Policy, Advanced Farm Management, Farmstead and Building Planning, Animal Nutrition, Dairy Farm Management, Woodland Forestry, Fruit Sprays, Farm Insects, Chemical Weed Control, Land Use Planning and Zoning.

Demonstrations in Foods and Nutrition, Patterns of Food Intake, Standards of Living and Family Finance, Aids to Understanding Home and Family Living, Clothing Consumption, Contemporary Trends in Home Furnishings.

2. Courses in the Departments of Economics, Political Science and Public Administration, Business, Sociology, and/or Psychology like the following:

Economic Development, State and Local Government, Public Administration, Human Relations, Salesmanship, Personnel Management, Office Management, Psychology of Human Relations, Adolescent Psychology, Public Opinion, Social Organization and Administration, Leadership Development.

3. Extension courses in the Institute and courses in education and/or the field of communications such as:

The Seminar in Extension Objectives, Policies and Organization, Special Research Problems in Extension, Social and Philosophical Foundations of Education, Audio-Visual Aids, Advanced Group Discussion, Television Program Development, Farm and Home Writing.

4. An informal seminar is carried on throughout the year as a core course for all Extension workers doing graduate work.

Living Accommodations

Graduate students are eligible for housing when it is available in the university dormitories or in apartments for married students. Good housing facilities are provided. Eight large residence halls have a capacity for 5,000 single men. Fifteen smaller residence halls for single women accommodate about 4,000. Married students may live in barracks or in permanent brick apartments on campus and there are 1100 furnished brick apartments and 950 barracks type units.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual tuition and registration fees	<u>\$255.00</u>
Annual tuition and registration fees for non-residents	<u>\$555.00</u>
Living expenses (average per term)	<u>\$200.00</u>

Miscellaneous Information

Michigan State University was founded in 1855 as America's first agricultural college, setting the pattern for the Land-Grant College system which followed. It has grown to be one of the ten largest institutions of higher education in the nation.

Cultural points of interest on and near the campus include the modern Kellogg Center for Continuing Education; the State Capital; Civic Center; Greenfield Village; Agricultural Museum; and the University Library.

MISSISSIPPI STATE UNIVERSITY, State College

Students may work toward a Master's degree with a major in Agricultural Extension at Mississippi State University. With no school of home economics, the Agricultural Extension major is obviously limited primarily to men.

General Requirements

1. Approval of a student's Master's degree program of study follows his completion of 12 hours of graduate work with an average grade of "B" or better and demonstration of his capacity to do graduate work.
2. A minimum of 27 semester hours must be done in residence; up to 6 hours of graduate credit may be earned in off-campus workshops and related Extension inservice training activities.
3. No grade under "C" will be accepted for graduate credit and the student's overall grade average must be "B" or better before the degree is conferred.
4. An acceptable thesis is required and thesis research must be taken. These are valued at 6 semester hours.
5. The time limit on credits that can be accepted toward fulfilling the requirements for the degree is six years.
6. Final written examinations in courses taken for graduate credits are required.

Required Courses and Electives

To do graduate work in Agricultural Extension, a student must have a Bachelor of Science degree in Agriculture or Home Economics and must have had one year of Extension experience. The number of semester hours in Agricultural Extension is limited to 9-12; the remainder of the graduate program is to be completed in the Social Sciences (9-12 hours) and in the Agricultural, Biological and Physical Sciences (6-12 semester hours). Graduate courses are: Special Problems, Thesis Research, and Thesis; Planning Extension Programs; and Evaluation Adapted to Extension Teaching.

No core of subjects is required of all students. Programs are planned in terms of the graduate student's background of undergraduate preparation and experience. Electives are selected largely from the social sciences and technical agricultural subjects. Such electives are selected in line with individual candidates' previous training, present needs and desires.

Living Accommodations

Seventeen dormitories have been built on the campus for single men, graduate and undergraduate. When a student is admitted to the college his name is submitted to the Supervisor of Student Housing who makes an assignment prior to or at the time of registration. Apartments are available on the campus for married students but since housing for married students is not sufficient to meet the demands, those who have enrolled in college pending the availability of living space for their families are given preference by the Superintendent of Student Housing when vacancies occur. Meals are available on campus in the college cafeteria and in the college grill.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Average stipend for Assistantships	<u>-</u>
Annual registration fees	<u>\$227.50</u>
Tuition and registration fees for out-of-state students	<u>\$200.00</u>
Living expenses (average per year)	<u>\$480.00</u>

Miscellaneous Information

The University is organized for resident teaching, agricultural research, and agricultural extension. The grounds of the University comprise about 4,200 acres including farms, pastures, and woodlands of the Experiment Station.

Excellent opportunities for hunting and fishing lie within a few miles of the campus on a game refuge controlled by the Fish and Wildlife Service, as well as on private land holdings.

UNIVERSITY OF MISSOURI, Columbia

The University of Missouri offers the degree of Master of Science with a Major in Agricultural Extension to graduate students who are now engaged in Cooperative Extension work in Agriculture and Home Economics in the several States who expect to enter this field.

Graduate study leading to this degree is conducted under the immediate supervision of a committee of faculty members who are best acquainted with the particular field and interests of the individual. This committee, appointed by the Dean of the Graduate Faculty, will assist the candidate in preparing a course of study which meets his particular needs.

General Requirements

1. A total of 32 semester hours, over and above the prerequisites for graduate work, must be completed for the Master's degree.
2. A grade of "C" is acceptable to a limited extent in fulfilling the requirements for the degree.
3. A maximum of 8 hours for the degree may be earned in off-campus courses given by the Adult Education and Extension Service. Credit for the degree cannot be transferred from another institution.
4. Courses for the degree must be completed within a period of eight years.

Required Courses and Electives

No course is required of all students. In most cases the following courses are taken and may be considered the core courses.

Agriculture and Home Economics Extension 301	Extension Methods in Public Affairs	2 credit hours
Agriculture and Home Economics Extension 401	Principles and Procedures in Extension Teaching	2 credit hours
Agriculture and Home Economics Extension 402	Organization and Planning of Extension Work	2 credit hours
Agriculture and Home Economics Extension 404	Extension Evaluation	2 credit hours
Rural Sociology 435	Advanced Group Organiza- tion and Leadership	2 credit hours

All courses are electives. Suggestions to students are that they include in their programs of study courses in the following areas:

Education	Education	6 hours
Economics		6 hours
Sociology		6 hours
Communications		3 hours

Living Accommodations

The University residence halls are available for the accommodation of both men and women students. In addition to providing room and board, the residence hall program offers opportunities for social, recreational, and cultural activities which provide students with a well-rounded life on campus.

Students enter into contracts with the University for accommodations in University residence halls on a room and board basis for the entire academic year.

The University has 112 one-bedroom apartments and 56 two-bedroom apartments available for married students. These apartments, renting from \$52.50 and \$57.50, respectively, are located in an area known as University Village, which is within easy walking distance of the campus and the shopping district. Application blanks may be obtained from the Housing Office.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowship	<u>-</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>0</u>
Annual tuition and registration fees	<u>\$192.50</u>
Tuition and registration fees for non-residents	<u>Free*</u>
Living expenses (average per semester)	<u>\$720.00</u>

*Tuition is free to a non-resident student who has completed the requirements for a bachelor's degree at any college or university approved by this University and who is registered in the Graduate School and in no other division.

Miscellaneous Information

Created in 1839, the University of Missouri is located at Columbia, approximately midway between St. Louis and Kansas City. In the Biennial Report of 1932 the Curators of the University stated the purposes of the University in these words:

A true state university strives to be the intellectual, the cultural, and the professional center of the state. It is not merely a school; it is a community of scholars and learners engaged in the forward-looking enterprises of modern civilization.

Cultural opportunities may be found in the Missouri Workshop Theater; the Stephens College Foreign Relations Lectures and Theater Arts; art collections entitled "Missouri - Heart of the Nation" and "The Missouri State Capitol Collection"; The State Historical Society collections; and the University libraries.

NEW YORK STATE COLLEGE OF AGRICULTURE, CORNELL UNIVERSITY, Ithaca

The Graduate School of Cornell University offers its students facilities for advanced study and research and assists them in obtaining a comprehensive view of a field of knowledge, together with the training required for independent investigation. It encourages them to associate freely with mature scholars who will give them the aid and direction they need. It expects to attain its end less through imposing an elaborate system of requirements than through developing a sense of responsibility for the advancement and wise application of knowledge.

At Cornell both the Master's degree and the Doctoral degrees are offered with opportunities to major in Extension and Adult Education. Courses for this major are in the "Education and Rural Education" field of instruction.

General Requirements

1. Candidates for the Master of Science degree must offer one major and one minor subject; those for the doctorate, one major and two minor subjects. No variation in these numbers is allowed.
2. The Graduate faculty regards study in residence as essential. Each candidate for a Master's degree must earn two units of residence; each candidate for the Ph.D. degree six units. Candidates for the Doctor of Education degree must complete 5 units of residence and one year of directed field study.

3. A candidate is expected to register each fall and spring term until he has completed his residence; if he finds this impossible, he must apply for a leave of absence from the Graduate School. He must complete all requirements for the degree between first registration and a date ten years later.
4. For each of the advanced degrees a thesis and a final examination are required.

Required Courses

The Graduate School itself imposes no course requirements whatever. It does not regard an accumulation of credit hours as an index of the student's progress or as in any measure a guarantee that he will receive a degree. It leaves to him and the special committee all decisions as to which subjects should be pursued in courses and whether he has profited as he should from the work. For the convenience of all, however, the school does require the instructor in each course to submit a grade to be entered upon the student's record and, to prevent exclusion from courses with a limited enrollment, it permits a student in residence to pre-register for these at announced times during the term preceding that in which it will be offered.

Some graduate courses offered for those with Extension Education as their major subject include the following:

			<u>Credits</u>
Rural Education	212	Educational Psychology for Extension Workers	3
Rural Education	223	Seminar: The Cooperative Extension Service as an Educational Institution	2
Rural Education	224	Program Building in Extension Education	2
Rural Education	225	Teaching in Extension Education	2
Rural Education	227	Seminar: Comparative Extension Education	3
Rural Education	228	Advanced Seminar in Extension Education	2
Rural Education	293	Administration and Supervision of Adult Education	2

Rural Education	Principles and Philosophy of Adult Education	2 or 3
Home Economics Education	Adult Education	2 or 3

Living Accommodations

The University has established Cascadilla Hall as an all-graduate dormitory. The north wing is for graduate women, and the south wing is for graduate men. Applications for this dormitory may be made any time after January 1 for the coming academic year. Since dormitory space for graduate men and women is limited, it is necessary for a fair proportion of graduate students to live off campus. The Ithaca area offers a wide range of accommodations to meet individual needs.

Facilities for married students include a new 96-unit housing development which was completed for occupancy in the fall of 1956. This area, known as the Pleasant Grove Apartments, offers 64 one-bedroom and 32 two-bedroom apartments for married graduate students. In addition, fifty houses were renovated during the spring and summer of 1956 to provide 34 duplex dwellings each containing 2 two-room apartments and 16 four-room cottages. In this area, known as Cornell Quarters, one-half of the units are allocated to married graduate students, with the other half being available to married undergraduates. All apartments and cottages are rented unfurnished and exclusive of utilities except water.

Application forms and more detailed information on all types of graduate housing may be obtained by writing the Department of Residential Halls, Edmund Ezra Day Hall.

Financial Data

Number of "Cornell University Graduate Fellowships" open to candidates in all fields (primary for new outstanding students)	<u>40</u>
Annual worth of Fellowships	<u>\$1500 plus tuition and fees</u>
Number of Teaching and Research Assistantships open for Extension Majors	<u>6</u>
Average stipend for Assistantships	<u>\$1350 - \$2500</u>
Annual tuition and registration fees	<u>\$525</u>
Tuition and registration fees for non-residents per year	<u>\$525</u>
Living expenses (average per term)	<u>\$600</u>

Miscellaneous Information

Cornell University is impressively located on a hilltop which rises abruptly for several hundred feet above the Southern end of Cayuga Lake. The towers of the University are a landmark against the sky, visible for miles across the adjoining valleys of the Finger Lakes country of upstate New York.

Students who enroll at Cornell enjoy a spacious campus covering some 480 acres, plus large recreation areas and numerous opportunities for cultural development.

UNIVERSITY OF TENNESSEE, Knoxville

Programs of graduate study leading to the degree Master of Science with a major in Agricultural Extension or Home Economics Extension are offered at the University of Tennessee.

General Requirements

1. A minimum of 45 quarter hours of graduate credit is required for the Master's degree.
2. Credit in the major shall include not less than 18 hours of course work and 9 quarters of thesis credit or work on special problems.
3. The minor shall consist of not less than 9 quarter hours or more than 18 quarter hours of course work.
4. An average of "B" in all courses taken for graduate credit is required.
5. Graduate work taken elsewhere will not reduce the usual 45 quarter hours or the three quarters of time to be spent in residence. However, twelve hours credit and six weeks residence may be earned through non-resident extension courses taken at the University of Tennessee.
6. All requirements included in the program must be completed within a period of six calendar years.
7. Requirements are not measured solely in terms of accumulated credits. A candidate is expected to acquire a mastery of the particular field as may be reasonably expected. Accordingly, each candidate must pass, not later than one week before he expects to receive the degree, a general oral examination.

Major in Agricultural Extension

The student will have an opportunity to develop a program of study designed to meet the needs of the individual. In addition to courses, seminars, and special problems in Agricultural Extension, appropriate courses may be taken in other subject matter areas, either in the College of Agriculture or in other colleges of the university.

Majors in Home Economics

Students may choose one of two plans for a graduate major in Home Economics Extension. The program of study to be pursued is set up in conference with an advisory committee after consultation with the departments involved.

Graduate Study Program I

Master of Science with Major in Home Economics

The program is designed for students preparing for positions, as county home demonstration agents, requiring a broad knowledge of home economics. It does not prepare for positions requiring graduate specialization.

Requirements include:

A. Home Economics Subject Matter Courses 27 hours

Courses to be chosen in four or more of the following areas:

Child development and family relationships
Home management
Foods and institutional management
Nutrition
Related art and crafts
Textiles and clothing

B. Professional Courses 9 hours

Graduate courses in home demonstration methods (500 numbers). Graduate courses offered to satisfy these requirements for Extension workers are:

521 History, Organization Objectives and Philosophy of Cooperative Extension Work in Agriculture and Home Economics 3 hours

522 Development of Programs in Cooperative Extension Work in Agriculture and Home Economics 3 hours

523 Evaluation in the Programs of Cooperative Extension Work in Agriculture and Home Economics 3 hours

Graduate courses in Agricultural Extension may be chosen.

Graduate Study Program II

Master of Science with Major in Subject Matter Fields of Home Economics (including Home Demonstration Methods)

This program is adapted to preparation of professional workers such as specialists in agricultural extension work. Students may take a major or minor in home demonstration methods.

Graduate Requirements	45 hours total
Major (9 hours of 500 courses)	18 hours
Thesis or Special Problems	9 hours
First Minor (includes 3 hours of 500 course work)	9 hours
Second Minor (includes 3 hours of 500 course work)	9 hours
An oral examination is required.	

Living Accommodations

Some graduate students are housed in University apartments. Others live in private homes. Accommodations are provided for married couples (preference given to veterans) in apartments of varied sizes renting from \$21 to \$62.50 per month. For housing information write to the Dean of Students, The University of Tennessee, Knoxville.

The University operates modern cafeterias in Sophronia Strong Hall and in the University Center Building. These cafeterias are open to all University students.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension	<u>0</u>
Annual worth of Fellowships	<u>-</u>
Number of Teaching Assistantships for Home Economics Extension Majors	<u>1</u>
Average stipend for Assistantships	<u>\$1,000</u>
Annual tuition	<u>0</u>
Tuition per quarter for non-residents	<u>\$100</u>
Living expenses (average per quarter)	<u>\$325</u>

Miscellaneous Information

The central campus ("The Hill") comprises about 40 acres while the Agricultural campus of 145 acres is situated one mile west of the main campus on Kingston Pike.

To promote cultural values and to stimulate students in developing standards of taste, the University offers, in addition to courses of study, appropriate activities and facilities through the College of Liberal Arts and other University units and organizations. Selected cultural attractions each year include special art exhibitions; the University Singers, the Opera Workshop, the University Bands, and the University Concert Series.

WASHINGTON STATE UNIVERSITY, Pullman

Programs of study are offered leading to the degree of Master of Extension. This is designed primarily to provide advanced Cooperative Extension Service training. The degree may be secured by either men or women.

General Requirements

1. The applicant must furnish official transcripts of all prior college or university work to the Graduate School office. Transcripts must be mailed from the institutions where the work was taken directly to the Graduate School office.
2. A student should secure admission to the Graduate School prior to his arrival at Washington State University.
3. An average of B (3.0) or its equivalent for the last half of undergraduate work and also for any graduate work at any recognized graduate school is required for regular student status. Provisional status may be granted in certain instances (see the Graduate School Bulletin for details).

Requirements for the Degree of Master of Extension

I. Extension:

In-course work	5 hours
Seminar	<u>2 hours</u>

Sub total 7 hours

II. Major in-course work: 12 - 16 hours

The student will be expected to take a concentration of courses in a department or two closely related departments in the social sciences (including education, economics, agricultural economics and business), technical agriculture or home economics. If the major work is in two departments, it must include at least fifteen semester hours; if it is in one department only, a minimum of twelve semester hours is required.

III. Supporting In-course Work

If the major area of concentration is in Technical Agriculture or Home Economics, the student will be expected to take his supporting courses in the areas of the social sciences and the humanities.

IV. Special Problems (In Extension or other appropriate area):

2 - 4 hours

Total 32 hours

V. Research - none

VI. Thesis - none

VII. Foreign language examination - none

VIII. Final oral examination

Note: a minimum of 20 semester hours of work must be earned in residence - a total not to exceed eight semester hours of transfer credit from a recognized graduate school and extension class credit earned through the General Extension Service of the State University may be accepted toward requirements for this degree. Of the in-course work, 50 percent or more of the total must be "G" or higher level; the balance must be designated "g" or higher. During the last half of the program, there must be written and oral reports based on the special problems.

Courses Available in Extension

Credits

Agricultural
Extension 401 Extension Methods

2

Agricultural Extension	501	Advanced Methods in Cooperative Extension	2
Agricultural Extension	510	Development and Evaluation of Cooperative Extension Programs	3
Agricultural Extension	511	Seminar	1
Agricultural Extension	599	Special Problems	1 - 4

Financial Data

Number of fellowships or assistantships none

Annual tuition and registration fees:

resident \$101.00 per semester

non-resident 244.50 per semester

Summer school (resident and non-resident) 8.00 per credit hour

Living Accommodations

Dormitory facilities for single men and women are readily available. Housing for married students is also available in college housing. Prices for both depend upon location and size of accommodation. Applications for housing should be made as early as possible. Applicants should contact the College Housing and Food Service, Room 11, Administration Building, for details. Some rooms and apartments are available in private homes and apartment buildings in Pullman.

Miscellaneous Information

Washington State University offers exceptional library and study opportunities in a wide range of courses of interest to extension workers. Located here is the main experimental center for Agriculture and Home Economics. Cultural opportunities associated with college life are amply available. Recreational and historical points of interest are abundant in the Pacific Northwest area. Most of these are within easy driving distance from Pullman.

UNIVERSITY OF WISCONSIN, Madison

At the University of Wisconsin both the Master of Science and the Ph.D. degrees are offered in Cooperative Extension with major emphasis on Education and Administration. Graduate programs in Cooperative Extension are under the supervision of the Department of Agricultural and Extension Education, the Department of Home Economics Education and Extension and the National Agricultural Extension Center for Advanced Study. Students must satisfy all requirements of the Graduate School; the student's program is planned and supervised by a faculty committee appointed by the Graduate School.

General Requirements for the Master's Degree

1. The candidate must offer a minimum of two semesters of residence credit of which at least one must have been earned at the University of Wisconsin.
2. A candidate must earn a minimum of 18 credits of course work, equally distributed over two semesters (or proportionate course work in summer sessions) and complete a thesis or seminar report which carries 3 - 5 credits.
3. A grade average of "B" or better must be maintained to be eligible for the degree.
4. The candidate must pass a comprehensive examination on the graduate work offered in support of his candidacy. At the option of the department concerned, the examination may be oral, written, or both.
5. At the option of the major department, a candidate for the Master's degree is required to prepare a thesis or a seminar report.
6. If the candidate does no graduate work for a period of five or more consecutive years he will be required to start the work again.

Required Courses and Electives for Master's Degree

The candidate selects 9-12 credits of course work from the Department of Agricultural and Extension Education and closely related fields. Additional course work up to approximately 24 credits may be selected from other fields with the approval of the candidate's committee. No specific courses are required of all students. Electives vary with the student's needs and interests.

Living Accommodations

Some housing is available for married students with children. There is available a limited number of married students' apartments at the University of Wisconsin Eagle Heights Apartments. There are also numerous private housing opportunities available in Madison and surrounding towns and villages. Costs for rentals are in the approximate range of \$80 to \$120 per month for one and two bedroom apartments. Married couples who cannot find suitable accommodations at the beginning of the year can usually improve their situation after school is underway. Apartments and light housekeeping accommodations throughout the city are listed as they become available. There are no residence halls for graduate women students, but several smaller units are reserved for them. Some have kitchen privileges. Rooms in private homes are available.

It is advisable for married students not to bring their families until housing arrangements have been made. A complete listing of housing of all types is available through the Housing Bureau at 434 Sterling Court, Madison, Wisconsin.

Financial Data

Number of Fellowships available to graduate students in Agricultural Extension (approximately)	<u>25*</u>
Annual worth of Fellowship	<u>Up to \$400 per month</u>
Number of Teaching and Research Assistantships for Extension Majors	<u>10</u>
Average stipend for Assistantships	<u>\$1650 for 10 months</u>
Annual tuition and registration fees	<u>\$200</u>
Tuition and registration fees for non-residents	<u>\$350</u>
Living expenses (average per month)	<u>\$100</u>

*For details on the Ph.D. Program and/or the policy concerning eligibility for fellowships and assistantships in the National Agricultural Extension Center for Advanced Study, you should write to Dr. Robert C. Clark, Director of the Center, Room 42, Agricultural Hall, Madison 6, Wisconsin.

Miscellaneous Information

Besides being located in the same city as the State Capital, the University offers a diversified program of recreational activities and a rich and varied program of social and cultural opportunities.

The Memorial Union Building, governed by a student-faculty-alumni board, is the hub of most campus activities and the gathering place for recreational and cultural events. In addition, it provides dining service, from table d'hote to cafeteria, with hotel rooms for guests. Theater, movies, art exhibits, and discussion forums are regular features.

The University's famed Pro Arte Quartet, University Chorus concerts, band programs, and a concert series of world-famous musical artists provide a wealth of opportunity for music appreciation.

Professional theater road shows, ballet, and opera companies are presented regularly in the Union Theater where productions by the Wisconsin Players and the Department of Speech are also shown.

Some of the associated scientific institutions of the University include the Forest Products Laboratory, Washburn Observatory, and the State Historical Society.

Graduate Study Fellowships and Scholarships (Descriptive Statements)

During the academic year of 1956-57 approximately 400 extension workers pursued advanced training with financial assistance from sources such as those described below. The list does not remain constant since a number of new foundation fellowships and scholarships are announced each year.

To keep information current about these special sources of financial aid, including deadline dates for filing applications, annual announcements appear in the January issue of the Extension Service Review.

Horace A. Moses Scholarships

The Horace A. Moses Foundation, Inc., West Springfield, Massachusetts, provides 102 scholarships of \$100 each, two scholarships in each of the States and Puerto Rico, to qualified professional staff members of the Cooperative Extension Service. Applicants are nominated by their respective State extension directors to the scholarship committee appointed by the Extension Committee on Organization and Policy.

Preference will be given to a man and a woman county extension worker from each State if all other considerations are equal. The applicant shall not have previously received one of these scholarships and must be devoting one-third or more time to work with rural youth.

The scholarships are to be used for attendance at one of the approved short-term (3 weeks or longer) schools for extension workers. The applicant is to enroll in the 4-H course plus others of his choice.

Applications are made through the State director of extension to the Extension Training Branch, Federal Extension Service, U. S. Department of Agriculture, Washington 25, D. C., by April 1.

National Agricultural Extension Center for Advanced Study Fellowships

About 25 fellowships are awarded annually on a competitive basis to degree candidates or special students. For students without other financial support, these amount to \$4,000 for the 10-month academic year or \$4,800 for the calendar year.

Graduate assistantships involving part-time work are available, also, in the amount of \$130 per month, the work to be done in the Center to assist with research or teaching.

Application for admission to the graduate training program in the Center, including applications for admission to the University of Wisconsin Graduate School, for either the summer or fall semester, must be received not later than March 1.

The Center for Advanced Study is sponsored cooperatively by the American Association of Land-Grant Colleges and State Universities, Federal Extension Service of the U. S. Department of Agriculture, the W. K. Kellogg Foundation, and the University of Wisconsin.

Persons interested in opportunities at the Center should write to Dr. R. C. Clark, Director, National Agricultural Extension Center for Advanced Study, College of Agriculture, University of Wisconsin, Madison 6, Wisconsin.

National Committee on Boys and Girls Club Work Fellowships

Six fellowships of \$2,400 each for 12 months of study in the United States Department of Agriculture under the guidance of the Federal Extension Service are available for young extension workers. Two of these fellowships are provided by the National Committee on Boys and Girls Club Work, 59 East Van Buren Street, Chicago, Illinois, and 4 by Massey-Ferguson, Inc., Racine, Wisconsin. Fellows may study at a local institution of higher learning or may organize an out-of-school program of study.

Three fellowships are awarded to young men, three to young women from nominations by State directors of extension or State 4-H Club leaders to the Extension Training Branch, Federal Extension Service, U. S. Department of Agriculture, Washington 25, D. C. Applications must be received by March 1. Application blanks may be obtained from the State director of extension. The age limit has been extended this year from 30 to 32, which means that an applicant shall not have passed his 32d birthday on June 1 of the year in which the scholarship is awarded.

Pfizer Awards

The Agricultural Division of Chas. A. Pfizer & Co., Brooklyn, New York, sponsored four fellowships for travel or study for the first time in the fall of 1955 to home demonstration agents, one in each extension region. The awards are \$1,500 each. A minimum of 5 years' experience is required to qualify for one of these awards.

Candidates are asked to describe in their applications the development of their county home demonstration programs, a detailed plan of how they propose to use their awards, and information on their personal and educational backgrounds. The study period has a minimum length of 6 weeks.

Application forms may be obtained from the State extension director. One application from each State should be approved by the State selection committee and forwarded with a letter of approval to the Extension Training Branch, Federal Extension Service, U. S. Department of Agriculture, Washington 25, D. C.

Sarah Bradley Tyson Memorial Fellowships

For a number of years the Woman's National Farm and Garden Association has offered annually the Sarah Bradley Tyson Memorial Fellowship of \$500 for advanced study in agriculture, horticulture, and the "related professions." The term "related professions" is interpreted broadly to include home economics. This year the association is again making available two such scholarships.

Applications are sent to Mrs. Walter G. Fenton, Chairman, Committee on Applications, 20800 Moxon Drive, Mount Clemens, Michigan.

Farm Foundation Extension Fellowships

This foundation offers fellowships to agricultural extension workers, with priority given to those on the administration level, including directors, assistant directors, and supervisors of county agents, home demonstration agents, and 4-H Club workers. Individuals being trained to assume administrative responsibility will be considered; specialists will be considered also if the quota is not filled from supervisory staff. The fellowships will apply to staff members of the State extension services and U. S. Department of Agriculture.

Courses of study may be pursued for one quarter, one semester, or for nine months. The amount of the awards will be determined individually on the basis of period of study and need for financial assistance. The maximum grant will be \$4,000 for nine months' training.

It is suggested that the courses of study center in the social sciences and in courses dealing with educational administration and methodology. Emphasis should be placed upon agricultural economics, rural sociology, psychology, political science, and agricultural geography.

The fellowships to administrators and supervisors apply in any one of the following universities and colleges: California, Chicago, Cornell, Harvard, Illinois, Iowa State, Michigan State, Minnesota, North Carolina State, and Wisconsin.

Applications are made through State directors of extension to Dr. Joseph Ackerman, Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago 5, Illinois.

Applications should reach the Farm Foundation not later than March 1.

Selected References on Scholarships and Fellowships
for Graduate Study

In recent years there has been an increasingly larger demand for information on the types of financial assistance provided for graduate students in institutions of higher learning. The U. S. Office of Education has compiled a number of bibliographies and reports on financial aid to students. These are available through the U. S. Department of Health, Education, and Welfare, Washington 25, D. C.

For those who have an interest in some selected full length references on scholarships and fellowships for graduate students the following publications are suggested. They are often found in college libraries in the larger cities.

1. Feingold, S. Norman. Scholarships, Fellowships, and Loans. Boston: Bellman Publishing Company, Inc., 1955 (3 volumes).

Lists the sources of financial aid to students. It has excellent information and is well written. The concentration is on those scholarships not controlled by institutions of higher learning.

2. Rich, Wilmer S. American Foundations and Their Fields. Seventh edition. New York: American Foundations Information Service, 1955.

Lists over 4,000 foundations giving, as far as is known, the source of their incomes, the amount expended in 1954, and for what purpose. The foundations are first listed by States, then alphabetically within the State. A third listing shows foundations by their fields of contributions.

3. U. S. Department of Health, Education, and Welfare, Office of Education. Financial Aid for College Students: Graduate. Washington, D. C.: U. S. Government Printing Office, 1957. (Bulletin 1957, No. 17.)

Statistical data in this directory indicate that 330 colleges and universities awarded 24,885 fellowships in the academic year 1955-56, which had a total value of \$18,239,150. Data on graduate fellowships are listed under the college or university, by major field of study where applicable, together with the average amount of the award.

4. Wilkins, Theresa Birch. Scholarships and Fellowships Available at Institutions of Higher Education. Federal Security Agency, Bulletin 1951. Washington, D. C. U. S. Government Printing Office 1951.

Lists scholarships available. Although seven years old, it is still being used and quoted. Parts of the list have been reprinted commercially.

Women extension workers may also wish to examine the descriptive materials on graduate assistantships, fellowships and scholarships for 1959-60 as presented in the February 1958 issue of the Journal of Home Economics. The types of financial aid described are available to graduates in home economics.

The National Defense Education Act of 1958
(Public Law 85-864)

This Act authorizes two programs of student financial assistance.

1. The National Defense Student Loan Program provides for the creation at colleges and universities of loan funds from which needy undergraduate and graduate students may borrow. Since these loan funds are administered by the institutions themselves, the individual applicant should inquire of financial aid officials of his college or university.
2. The National Defense Graduate Fellowship Program program provides for the award at certain graduate schools, whose instructional programs have been expanded, of a limited number of fellowships to assist graduate students to pursue their studies. Individual recipients are selected by officials of the graduate schools participating in this program. For information not available from participating institutions, write to the Division of Higher Education, Office of Education, U. S. Department of Health, Education, and Welfare, Washington 25, D. C.

For Additional Information

Those who desire more detailed information about particular graduate programs for extension workers, graduate fellowships, and other types of financial aid should address communications to the following persons.

University of California, Davis
S. S. Sutherland, Chairman, Department of Education

Colorado State University, Fort Collins
Walter R. Horlacher, Dean of the Graduate School

Purdue University, Lafayette, Indiana
Einar Ryden, Extension Training Specialist, Extension Service

Kansas State University, Manhattan
Harold Howe, Dean of the Graduate School

University of Kentucky, Lexington
G. P. Summers, Personnel and Training Officer, Extension Service, College of Agriculture

Louisiana State University, University Station, Baton Rouge
Julius M. O'Quin, Assistant State Agent and Professor of Agricultural Extension Education

University of Maryland, College Park
Ronald Bamford, Dean of the Graduate School

Michigan State University, East Lansing
George Axinn, Professor, Agricultural Administration

Mississippi State University, State College
H. J. Putnam, Leader, Extension Studies and Training

University of Missouri, Columbia
F. E. Rogers, State Extension Agent, College of Agriculture

New York State College of Agriculture, Cornell University, Ithaca
J. Paul Leagans, Professor of Extension Education, College of Agriculture

University of Tennessee, Knoxville

Lewis H. Dickson, Professor of Agricultural Extension Methods,
College of Agriculture

Claire E. Gilbert, Professor, Home Demonstration Methods,
College of Home Economics

State University of Washington, Pullman

E. J. Kreizinger, State Leader of Extension Research and
Training

University of Wisconsin, Madison

W. T. BJORAKER, Head, Department of Agricultural and Extension
Education, College of Agriculture

Robert C. Clark, Professor and Director, National Agricultural
Extension Center for Advanced Study



